

# **Notice of Allowability**

**Application No.**

10/687,082

**Examiner**

Ha D. Ho

**Applicant(s)**

FOLINO ET AL.

**Art Unit**

3681

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Amendment filed 12/02/04.
2. ☒ The allowed claim(s) is/are 1-3, 5-14, 25-30, 32, 35-40, 44-47, 49-51 and 57-64.
3. ☐ The drawings filed on \_\_\_\_\_ are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☒ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☒ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☒ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

## **Attachment(s)**

- |   |  |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)            |
| 2. <input checked="" type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                     | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                               |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance   |
|   | 9. <input type="checkbox"/> Other _____.   |

### EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

1. This Office Action is responsive to Applicant's Amendment filed on 12/02/04. Claim 41 has been canceled accordingly.

2. Claims 1-3, 5-14, 25-30, 32, 35-40, 44-47, 49-51 and 57-64 are allowed.

3. The following is a statement of reasons for the indication of allowable subject matter:

Claim 41 has been canceled to overcome the drawing objections and rejections under 35 USC 112, first paragraph. Claims 1-3, 5-14, 25-30, 32, 35-40, 44-47, 49-51 and 57-64 were indicated allowable.

The prior art of record does not disclose or render obvious a motivation to provide for:

(1) a multi-speed ratio apparatus to control output including a rotary speed converter having an input component operably connected to a driving member which comprises a vehicular transmission or an engine or another rotary speed converter, an output component operable connected to a drivable member, a third component being interposed within the input and output components to form a nested configuration of the three components, a grounding member for selectively grounding at least one of the components which comprises an inner cam, a reaction disk and an outer cam as defined by the limitations of claims 1, 32 and 35;

(2) a speed converter for producing rotary motion of a shaft including a single stage rotary speed converter having a reaction disk interposed within a conjugate pair of cam parts which comprises a first part having an inner cam and an input shaft (or an output shaft), and a second part having an outer cam, wherein the reaction disk includes a plurality of slots and an output shaft (or an input shaft), a contact member is selectively disposed with at least one of the

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slots, and a grounding member is capable of selectively grounding the outer cam to a housing as defined by the limitations of claims 46 and 47; and

(3) a multi-ratio speed converter comprising a single stage rotary speed converter having an input cam, an output cam, a reaction disk and a contact member that are all located on a common axis and are operably interconnected to each other, the reaction disk being interposed within the input and output cams and having a plurality of slots which each is capable of entraining the contact member, the input cam being operably connected to the vehicular transmission, the reaction disk being operably connected to the vehicular axle, and a grounding member capable of selectively grounding the outer cam as defined by the limitations of claim 49.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

4. Any inquiry concerning this communication should be directed to Examiner HO at telephone number (703) 305-0738.

HDH  
(703) 305-0738  
February 7, 2005

  
**HAHO**  
**PRIMARY EXAMINER**  
Art Unit 3681

02/07/05